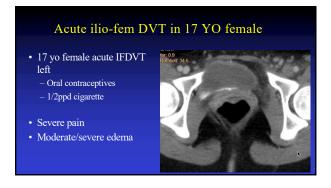
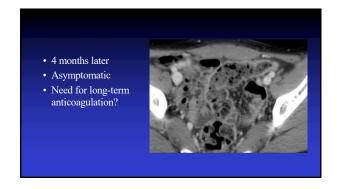
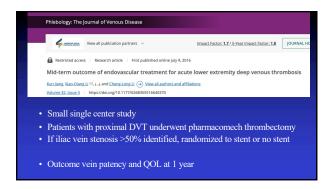


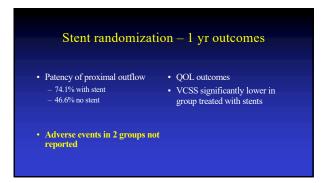
Disclosures • Sonovascular Consultant • Intervene Consultant and Research support











Long term risks of stent implantation • Stent rethrombosis • In-stent stenosis • Contralateral vein thrombosis • Chronic pelvic pain • Migration, stent erosion, AV fistula



An overview of in-stent restenosis in iliofemoral venous stents

Taimur Saleem, MBBS, FACS, and Seshadri Raju, MD, FACS, Jackson, Miss

• ISR occurs in 5-15% after venous stenting

— Higher in cases after acute DVT and PTS cases

— Correlated to poor venous inflow

— Increased with incomplete treatment

J Vasc Surg Venous Lymphat Disord 2022;10:492-503.

Improvement following restoration of inline flow argues against comprehensive thrombus removal strategies and for selective stenting in acute symptomatic iliofemoral venous thrombosis

Arjun Jayaraj, MD, Michael Lucas, BS, Robert Fuller, BS, Thomas Powell, MS, and Riley Kuykendall, MS, Jackson MS

• After PMT for proximal DVT, evaluated outflow tract with IVUS

• Performed stent when severe obstruction that limited outflow

– Did not stent for partial obstruction or residual thrombus if in-line flow reestablished

– If symptoms did not improve significantly or recurrent thrombosis, did delayed stenting

https://doi.org/10.1016/j.jvsv.2022.06.017

Jayaraj et al, results · Author recommendations • at initial procedure 33% Delayed stenting 14%

- - PCT to re-establish inline flow
 - This results in symptom improvement
 Employ stents selectively if needed to get in-line flow

Normal anatomy of left iliac vein in teenagers

- 70 patients aged 14-21
- CT abd/pelvis for non-venous diagnosis
- Measured % compression of iliac veins within pelvis
- Compared to normal iliac vein size in non-compressed area
- Left iliac compression >50%
 - -88% of patients
- Left iliac compression > 70%
 - 54% of patients

So should we routinely use stents in young pts with IFDVT?



Stent utilization

QOL outcomes • VCSS

- improved from 6 to 2

- Improved from 38 to 22

- Normal state is narrowing of LCIV
- IFDVT induces transient inflammation increasing compression/obstruction in acute DVT that may resolve over time??
- Gap in knowledge in need of additional research/experience